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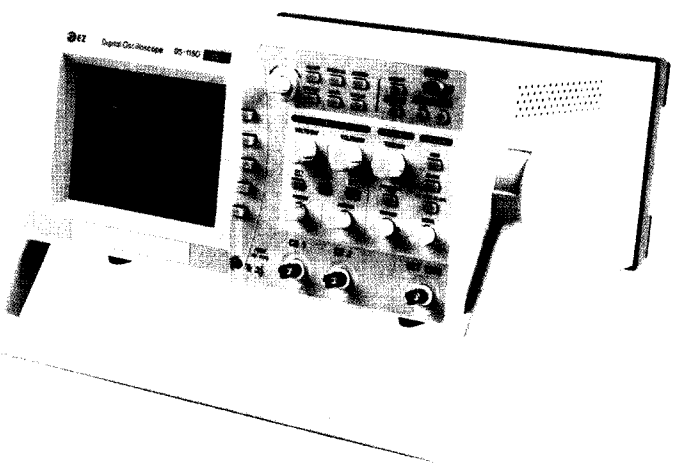
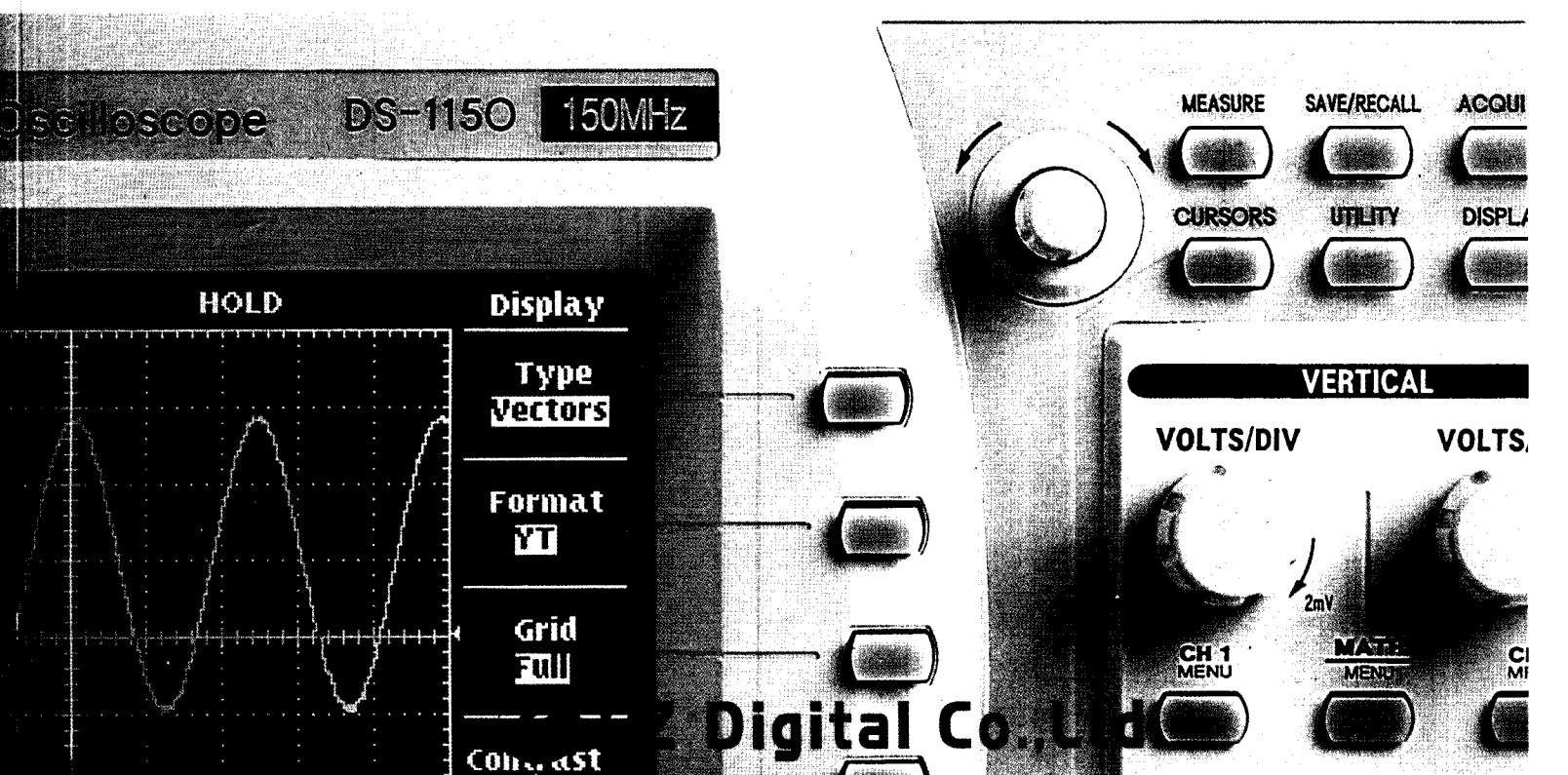
DIGITAL OSCILLOSCOPE

DS-1150

Jameco Part Number
201865

- 150MHz (-3dB) 2CH
- Real time 100MS/s, Equivalent 5GS/s
- Long Memory MAX 32 KBytes
- 5.7" LCD (320x240)
- MAX 300V (DC+AC PEAK)
- Zoom IN/OUT, PEAK DETECT, FFT
- RS-232C, Centronics Printer, USB





ACQUISITION SYSTEM

- MAX. SAMPLE RATE ; 100MSPS(ALL CHANNELS)
  (REAL TIME MODE)
- RECORD LENGTH ; MAX 32K(REAL TIME)
- RESOLUTION ; 8 BITS
- PEAK DETECT ; CAPTURES & DISPLAYS EVENTS AS NARROW AS 10ns GLITCH

VERTICAL SYSTEM

- REPETITIVE BANDWITH ; 150MHz
- REAL TIME BANDWITH ; 25MHz
- 2 CHANNELS
- SENSITIVITY ; 2mV/DIV. ~ 5V/DIV.
- INPUT IMPEDENCE ; 1MOHM OR 50 OHM , 20pf NOMINAL
- MAX. INPUT ; 1MOHM 300V(DC+AC PEAK) (AC < 10KHz) 50 OHM 5V RMS
- DC ACCURACY ; 2%
- INPUT COUPLE ; DC, AC, GND
- DYNAMIC RANGE ; +,
- 10DIV. FROM CENTER SCREEN
- RISE TIME(CALCULATED) ; 2.3ns

HORIZONTAL SYSTEM

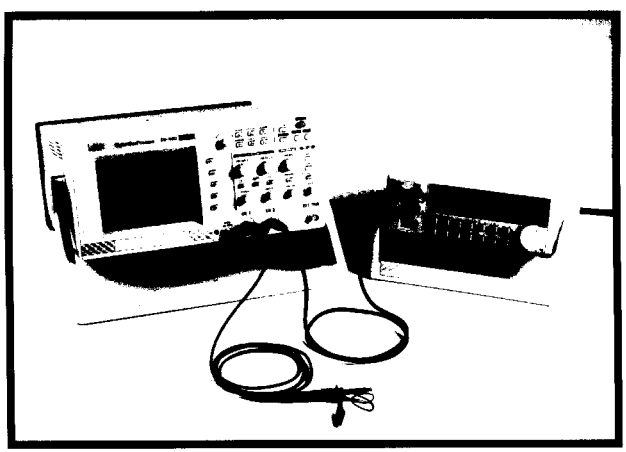
- TIME BASE RANGE ; 2ns/DIV. ~ 5s/DIV.
- RESOLUTION ; 40ps
- ACCURACY ; 0.01%
- PRE
- TRIGGER ; MAX 10 DIV
- POSITION MOVEMENT 10DIV
- MAGNIFICATION ; REAL TIME ONLY

TRIGGER

- SENSITIVITY DC ~ 10MHz ; 0.5 DIV
  (INTERNAL) 10MHz ~ 80MHz ; 1.5 DIV, 80MHz ~ 150MHz ; 2.0 DIV
- MODE ; AUTO, NORM, SINGLE
- COUPLE ; DC,AC,LF REJ,HF REJ
- TYPE ; EDGE, VIDEO

DISPLAY

- 5.7 - in MONO LCD (320 X 240)
- 200 VERTICAL X 250 HORIZONTAL POINTS



MEASURE

- AUTOMATIC MEASUREMENT AMPLITUDE ; PEAK TO PEAK
  MEAN
  RMS
  FREQ.,PERIOD,DUTY,WIDTH
  RISE / FALL TIME, OVERSHOOT
- AUTO SET - UP ; VERTICAL , HORIZONTAL D.F. & TRIGGER LEVEL
- CURSORS ; VERTICAL OR HORIZONTAL DOTTED LINE
  REF., DELTA V. DELTA T, DELTA 1/T, TRACK
  MANUALLY OR AUTOMATICALLY PLACED

MATH

- ADD, SUBTRACT
- FFT
- AVERAGE ; 2 ~ 128
- INTERPOLATION ; LINEAR
- ZOOM IN OR OUT IN HORIZONTAL AXIS
  WITHOUT ACQUISITION.

SAVE / RECALL

- 10 FRONT PANEL SET-UP
- 10 WAVEFORMS
- RESUME

INTERFACING

- RS - 232C CONFIGURE CONN. TYPE ; 9 PIN DTE PORT
  PROTOCOL ; XON / XOFF, HARDWARE
  DATA BITS ; 8
  STOP BITS ; 1
  PARITY ; NONE
  BAUD RATE ; 1200,2400,4800, 9600,19200
- HARD COPY OUT ; PRINTER(CENTRNICS) / USB

GENERAL

- POWER REQUIREMENTS LINE VOLTAGE ; 90VAC ~ 250VAC
  FREQ. ; 48Hz ~ 440Hz
  MAX. POWER CONSUMPTION ; 30VA
- SIZE(W X H X D) ; 327 X 150 X 312

ENVIRONMENT CHARACTERISTICS

- AMBINENT TEMPERATURE OPERATING ; 0 ~ +40℃
  STARAGE. ; -20 ~ +70℃
- HUMIDITY OPERATING ; 85% RH @+40℃ FOR 24HR
  STARAGE. ; 95% RH @+65℃ FOR 24HR
- ALTITUDE OPERATING ; 4,500m
  STARAGE. ; 15,000m
- EMC ; CE STD.(EN50081-1,EN50082-1)
- SAFETY ; GS(EN61010-1),C-UL(UL3111)